

Project: _____

Type: _____

Quantity: _____

The WLB series solar powered LED bollard is ideal for low level architectural/commercial way-finding, delineation and landscape lighting applications. The self-contained, simple, louvered design combined with high quality construction and unequalled solar powered performance make the WLB series an excellent choice when vertical illumination is required.

WLB solar powered bollards are fully self-contained and offer significant advantages over typical wired bollards:

- Low installation, remediation and electrical design costs
- No electricity bills and no scheduled maintenance
- Immune from power outages
- A sustainable choice without recurring carbon emissions

All of our solar powered lights are enabled by our innovative Solar Lighting Controller (SLC). The SLC in each light is “self-learning” and allows the lights to predictively adapt to their surroundings, providing a level of lighting performance and reliability unavailable in other solar lighting products.



WIRELESS CONTROL APP

TECHNICAL SPECIFICATIONS

- Solar Module:**
- High-impact, UV resistant encapsulation
 - High-efficiency mono-crystalline cells
 - Fully integrated into bollard housing
 - Used for day/night detection (no photocell required)

- Solar Lighting Controller (SLC):**
- High efficiency Maximum Power Point Tracking (MPPT) charge controller
 - Microcontroller based system
 - Includes high efficiency LED driver
 - Integrated into bollard housing
 - Designed to automatically manage lighting performance based on environmental conditions and lighting requirements

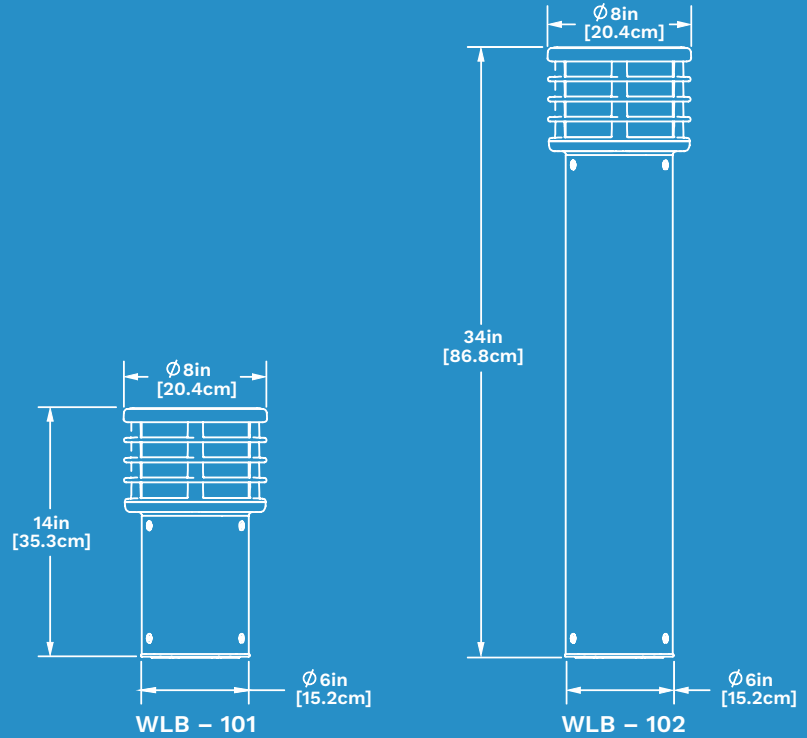
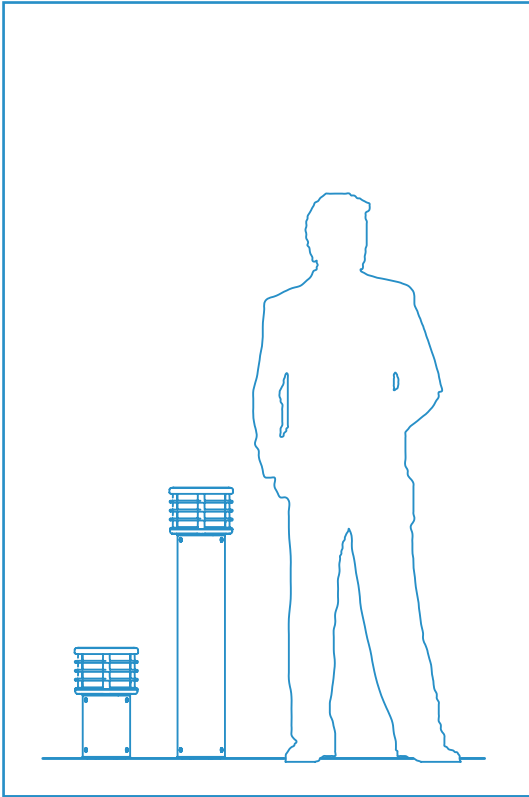
- Battery:**
- High-performance lithium (LiFePO₄)
 - Exceptional 10+ year lifecycle
 - High temperature tolerance
 - Contained within bollard post
 - Designed for easy battery changes when required
 - Plug-and-play, sealed connector

- Wireless Controls:**
- Easy-to-use interface via iOS smartphone app
 - Configure and control lighting profiles
 - Adjust dusk and dawn thresholds

- LEDs & Optics:**
- High output Cree LEDs
 - 100,000 hour L70 lifetime
 - Extra Warm White (2700K), Warm White (3000K), Neutral White (4000K), and Amber (595nm) LEDs available
 - Omni-directional light output with low glare, frosted lens
 - Typical output of 130 lumens
 - Wildlife-friendly amber option available

- Mechanical Construction:**
- Cast, low copper aluminum housing
 - Extruded, low copper aluminum post
 - Stainless fasteners with security fastener options
 - High strength mounting base
 - Architectural grade, super durable, TGIC powder coat

- Factory Set Lighting Profiles:**
- 11 standard duration profiles available
 - Real-time lighting profile options available
 - See lighting profile sheet for all options
 - Lighting profiles are field configurable with app



Notes:

- Specifications subject to change without notice
- Typical lumen levels based off the default profile using neutral white LEDs

ORDER MATRIX



Series	Height	Finish	Distribution	LED	Lighting Profile (Full list on website)	Options
WLB	101 - 14"	BK - Black	SYM - Symmetrical	XW - 2700K	00 - On at dusk, off at dawn	SEC - Security Fasteners
	102 - 34"	BZ - Bronze		WW - 3000K	04 - On at dusk, dim to 30% after 5 hours, brighten to 100% 1 hour before dawn (DEFAULT)	PA - Pre-Ship Anchor Bolts
		SV - Silver		NW - 4000K	09 - On at dusk, dim to 30% after 3 hours, brighten to 100% 1 hour before dawn, off at dawn	
		WH - White		AMB - Amber	TX0000X0000 - T=Real-time based lighting profile. X=Choose O (Off), or D (Dim) or B (Bright). 0000= Choose event time between 00:00 and 23:59. Second event optional	
		CC - Custom				